

Title (en)

WELLBORE SONOLUMINESCENCE TOOL AND RELATED SYSTEMS AND METHODS

Title (de)

BOHRLOCHSONOLUMINESZENZWERKZEUG SOWIE ENTSPRECHENDE SYSTEME UND VERFAHREN

Title (fr)

OUTIL À SONOLUMINESCENCE POUR PUITS DE FORAGE AINSI QUE SYSTÈMES ET PROCÉDÉS ASSOCIÉS

Publication

**EP 3966428 B1 20240710 (EN)**

Application

**EP 19773916 A 20190808**

Priority

- US 201916439395 A 20190612
- IB 2019056777 W 20190808

Abstract (en)

[origin: US2020392830A1] This application relates to tools, systems, and methods for stimulating hydrocarbon bearing formations using energy from sonoluminescence.

IPC 8 full level

**E21B 43/25** (2006.01)

CPC (source: EP US)

**E21B 43/25** (2013.01 - EP); **E21B 47/002** (2020.05 - US); **E21B 47/135** (2020.05 - US); **E21B 47/18** (2013.01 - US); **E21B 49/10** (2013.01 - US); **G01N 29/2418** (2013.01 - US); **G01N 29/4436** (2013.01 - US); **G01N 29/4472** (2013.01 - US); **G01N 2021/9544** (2013.01 - US); **G01N 2021/9546** (2013.01 - US); **G01N 2291/0224** (2013.01 - US); **G01N 2291/02809** (2013.01 - US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 11028686 B2 20210608**; **US 2020392830 A1 20201217**; CN 114207247 A 20220318; EP 3966428 A1 20220316; EP 3966428 B1 20240710; WO 2020250023 A1 20201217

DOCDB simple family (application)

**US 201916439395 A 20190612**; CN 201980099032 A 20190808; EP 19773916 A 20190808; IB 2019056777 W 20190808